

1 What is claimed is:

- 2 1. An apparatus that provides electronic books to a subscriber, comprising;
3 a processor that communicates with an electronic book ordering site, the
4 processor supplying an electronic book selection and a processor identification;
5 a transmitter, coupled to the processor, that sends the electronic book selection
6 and the processor identification to the ordering site;
7 a receiver module that receives a data signal and a local authorization code,
8 wherein the data signal comprises an encrypted electronic book selection and wherein the
9 local authorization code allows the data signal to be decrypted for viewing; and
10 a memory coupled to the receiver module, the memory storing the received
11 authorization code until needed for decrypting the data signal.

12 2. The apparatus of claim 1, further comprising:

- 13 a viewer capable of receiving data, wherein the viewer, comprises:
14 a decryptor that decrypts the data signal,
15 a display that displays pages of the electronic book,
16 a book memory that stores the electronic book, and
17 a control module that controls viewing of the electronic book.

18 3. The apparatus of claim 2, wherein the receiver module, the processor, the
19 transmitter and the memory are contained in a library unit, the apparatus further
20 comprising an interface between the library unit and the viewer.

21 4. The apparatus of claim 3, wherein the library unit further comprises an external
22 interface to an external receiver, the external receiver receiving the data signal, the
23 external interface transmitting the data signal to the library unit.

24 5. The apparatus of claim 4, wherein the external receiver is a television receiver.

25 6. The apparatus of claim 4, wherein the external receiver is a radio receiver.

26 7. The apparatus of claim 4, wherein the external receiver is a spread spectrum
27 receiver.

28 8. The apparatus of claim 4, wherein the external receiver is a modem.

1 9. The apparatus of claim 2, wherein the receiver module, the processor, the
2 transmitter and the memory are contained in a set top terminal operably connected to a
3 television, and wherein the receiver module receives broadcast television program
4 signals, the data signal multiplexed with the television program signals, the apparatus
5 further comprising a demultiplexer to demultiplex the data signal and the television
6 program signals.

7 10. The apparatus of claim 2, wherein the receiver module, the transmitter, the
8 memory and the processor are contained on a smart card incorporated into a digital
9 television, and wherein the receiver module receives broadcast television program
10 signals, the data signal multiplexed with the television program signals, the apparatus
11 further comprising a demultiplexer to demultiplex the data signal and the television
12 program signals.

13 11. The apparatus of claim 2, wherein the receiver module, the processor, the
14 transmitter, and the memory are contained on a smart card incorporated into a digital
15 television, and wherein the digital television comprises a receiver that receives broadcast
16 television program signals.

17 12. The apparatus of claim 2, wherein the digital television further comprises a
18 demultiplexer that demultiplexes the received digital broadcast television program signals
19 and the data signal.

20 13. The apparatus of claim 2, wherein the receiver module, the processor, the
21 transmitter, and the memory are incorporated into a personal computer.

22 14. The apparatus of claim 13, wherein the personal computer further comprises a
23 connector that couples the personal computer to a digital television, the digital television
24 comprising a second receiver that receives the digital broadcast television program
25 signals and the data signal, and wherein the receiver module receives the local
26 authorization code and the data signal and the personal computer sends the data signal
27 and the local authorization code to decrypt the data signal.

28 15. The apparatus of claim 14, wherein the connector is one of a radio frequency
29 connector, an infra red connector and a wired connector.

- 1 16. The apparatus of claim 15, wherein the wired connector comprises RS-232
2 connections and an RS-232 cable.
- 3 17. The apparatus of claim 1, wherein the transmitter comprises one of a telephone
4 modem, a cable modem, a wireless modem, an asymmetric digital subscriber line (ADSL)
5 connector, an integrated services digital network (ISDN) connector, T1 and T3 lines, a
6 fiber optic connector, a local area net (LAN) connector and a satellite antenna connector.
- 7 18. The apparatus of claim 1, further comprising an interface that receives the data
8 signal and the authorization code, wherein the interface comprises one of a radio
9 frequency connector, a telephone modem, a cable modem, a wireless modem, an
10 asymmetric digital subscriber line connector, an integrated digital services network
11 connector, T1 and T3 lines, a fiber optic connector, and a local area net connector and a
12 satellite antenna connector.
- 13 19. The apparatus of claim 1, wherein the data signal includes electronic book data,
14 wherein the processor generates an electronic book menu based on the received electronic
15 book data, and wherein the apparatus further comprises a remote control, the remote
16 control sending commands to scroll the electronic book menu and to select a desired
17 electronic book for ordering.
- 18 20. The apparatus of claim 19, wherein the remote control is one of a wired control,
19 an infra red control, a radio frequency control, and a laser control.
- 20 21. The apparatus of claim 1, wherein the electronic books are provided using a cable
21 television network.
- 22 22. The apparatus of claim 1, wherein the electronic books are provided using over-
23 the-air broadcast.
- 24 23. The apparatus of claim 22, wherein the over-the-air broadcast is provided from
25 a national broadcaster.
- 26 24. The apparatus of claim 22, wherein the over-the-air broadcast is provided from
27 a broadcast affiliate.
- 28 25. The apparatus of claim 1, wherein the electronic books are provided using a
29 satellite broadcast, and wherein the satellite broadcast includes one or more of a direct-to-

1 home broadcast, a video network distribution broadcast, a point-to-point broadcast, a
2 point-to-multipoint broadcast, a regional broadcast, and a forward communications
3 service broadcast.

4 26. The apparatus of claim 1, wherein the ordering site includes one of a local cable
5 system, a broadcast affiliate, a national broadcaster, an Internet web site, an intranet site,
6 an electronic book store and an electronic library.

7 27. The apparatus of claim 26, wherein the transmitter sends the electronic book
8 selection to the local cable system, the local cable system returning the local authorization
9 code.

10 28. The apparatus of claim 27, wherein the local authorization code is multiplexed
11 with digital broadcast television program signals.

12 29. The apparatus of claim 26, wherein the transmitter sends the electronic book
13 selection to the broadcast affiliate, the broadcast affiliate returning the local authorization
14 code.

15 30. The apparatus of claim 29, wherein the local authorization code is multiplexed
16 with digital broadcast television program signals.

17 31. The apparatus of claim 26, wherein the transmitter sends the program selection
18 to the national broadcaster, the national broadcaster returning the local authorization
19 code.

20 32. The apparatus of claim 31, wherein the local authorization code is multiplexed
21 with digital broadcast television program signals.

22 33. The apparatus of claim 26, wherein the ordering site comprises an authorization
23 system, the authorization system receiving the electronic book selection and generating
24 an authorization signal, the authorization signal providing the local authorization code.

25 34. The apparatus of claim 33, wherein the ordering site is colocated with one of the
26 local cable company, the broadcast affiliate and the national broadcaster.

27 35. The apparatus of claim 33, wherein the ordering site system includes a billing
28 system, the billing system receiving the authorization signal and generating a billing
29 record.

- 1 36. The apparatus of claim 35, wherein the billing record debits a subscriber's
- 2 account.
- 3 37. The apparatus of claim 35, wherein the billing system sends the billing record to
- 4 a subscriber for payment.
- 5 38. The apparatus of claim 35, wherein the billing system charges a subscriber's
- 6 credit card account.
- 7 39. The apparatus of claim 1, wherein the ordering site comprises an Internet web
- 8 site, wherein the web site includes an electronic book menu, the web site receiving the
- 9 electronic book selection and generating the local authorization code.
- 10 40. The apparatus of claim 39, wherein the ordering site includes a billing system, the
- 11 billing system receiving the local authorization code and generating a billing record.
- 12 41. The apparatus of claim 1, wherein the local authorization code, comprises:
13 an identification code; and
14 an address; and
15 one or more electronic book identifiers, wherein the identification code uniquely
16 identifies the apparatus receiving electronic book access authorization, the address
17 identifies a location of the apparatus and routing instructions, and the one or more
18 electronic book identifiers specify the electronic books that are authorized for decrypting.
- 19 42. The apparatus of claim 1, wherein the local authorization code includes an
20 expiration, wherein upon occurrence of the expiration, the selected electronic book
21 cannot be decrypted using the local authorization code.
- 22 43. The apparatus of claim 1, wherein the electronic book selection comprises a
23 subscription.
- 24 44. The apparatus of claim 43, wherein the subscription is for an electronic
25 newspaper.
- 26 45. The apparatus of claim 43, wherein the subscription is for an electronic magazine.
- 27 46. The apparatus of claim 43, wherein the subscription is received at the apparatus
28 periodically upon a log on of the apparatus.

- 1 47. The apparatus of claim 1, wherein the data signal further comprises a menu of
2 available electronic books.
- 3 48. The apparatus of claim 47, wherein the menu includes an electronic book abstract,
4 author, cost and year of publication of an original hard copy text.
- 5 49. The apparatus of claim 47, wherein the menu includes a review of the electronic
6 book.
- 7 50. The apparatus of claim 47, wherein the menu includes a hypertext link to a web
8 site on an Internet.
- 9 51. The apparatus of claim 47, wherein the menu includes submenus.
- 10 52. The apparatus of claim 51, wherein the submenus include an electronic book
11 selection confirmation submenu.
- 12 53. The apparatus of claim 47, wherein the menu is displayed on a web page of an
13 Internet, the web page including a home page and additional pages, the home page and
14 the additional pages accessible by operation of forward, back and home buttons.
- 15 54. The apparatus of claim 47, wherein the menu is provided in a hard-copy format,
16 the hard copy format including electronic book identifiers.
- 17 55. The apparatus of claim 54, wherein one or more of the electronic book identifiers
18 are entered into the apparatus to send the electronic book selection.
- 19 56. The apparatus of claim 55, wherein the electronic book identifiers are entered into
20 the apparatus by operation of a remote control coupled to the apparatus.
- 21 57. The apparatus of claim 55, wherein the electronic book identifiers are entered into
22 the apparatus by operation of a soft key board displayed on a viewer.
- 23 58. The apparatus of claim 55, wherein the electronic book identifiers are entered into
24 the apparatus by operation of a key board coupled to a personal computer.
- 25 59. A system for distributing an electronic book from a remote site to an apparatus
26 capable of viewing the electronic book, comprising:
27 an electronic book distribution point;
28 a network coupled to the distribution point; and

1 an electronic book device coupled to the network, the electronic book device,
2 comprising:

3 an electronic book viewer, and

4 an electronic book home subsystem, the subsystem, comprising:

5 an interface to the network, and

6 a memory that stores the electronic book.

7 60. The system of claim 59, wherein the electronic book device further comprises:

8 a receiver that receives an encrypted electronic book;

9 a decryptor that decrypts the encrypted electronic book for viewing; and

10 a transmitter that transmits data related to electronic books to the system, wherein
11 the data comprises one or more of electronic book ordering data, subscriber preferences
12 and subscriber data.

13 61. The system of claim 59, wherein the distribution point is a national broadcaster.

14 62. The system of claim 61, wherein the national broadcaster is a television program
15 broadcaster.

16 63. The system of claim 62, wherein electronic book data is multiplexed with
17 television program signals, the electronic book data including the electronic book.

18 64. The system of claim 62, wherein the television program broadcaster is one of a
19 cable television broadcaster, a satellite television broadcaster, an over-the-air television
20 broadcaster and a wireless television broadcaster.

21 65. The system of claim 64, wherein the cable television broadcaster broadcasts
22 television programs using one of a coaxial cable network, a totally fiber network, a hybrid
23 fiber/coaxial network, and a fiber to curb network.

24 66. The system of claim 65, further comprising a local cable system, the local cable
25 system receiving the multiplexed television programs and electronic book data from the
26 national broadcaster, and transmitting the multiplexed television programs and electronic
27 book data to the electronic book subsystem.

1 67. The system of claim 61, wherein the national broadcaster is a radio program
2 broadcaster, and wherein the electronic book data and radio program signals are
3 combined in a single radio broadcast.

4 68. The system of claim 59, wherein the distribution point is an Internet web site.

5 69. The system of claim 59, wherein the distribution point is an intranet site.

6 70. The system of claim 59, wherein the distribution point is an electronic book store.

7 71. The system of claim 59, wherein the distribution point is an electronic library.

8 72. The system of claim 59, wherein the distribution point, comprises:

9 a processor that writes the electronic book to a portable, fixed memory device, the
10 memory device capable of being coupled to the electronic book system.

11 73. The system of claim 59, further comprising:

12 a broadcast television reception device coupled to the network and the electronic
13 book system, the broadcast television device receiving a broadcast television signal,
14 wherein the broadcast television signal is a digital multiplex signal, wherein electronic
15 book data is multiplexed with television program signals in the broadcast television
16 signal, and wherein the broadcast television reception device comprises a
17 communications device that receives data from and transfers data to an external source;
18 and

19 a computer coupled to the broadcast television reception device and the external
20 source, wherein the computer processes the digital multiplex signal to provide
21 demultiplexed electronic book data.

22 74. The system of claim 73, wherein the electronic book data comprises the electronic
23 book and electronic book menu data, the electronic book menu data including
24 information related to electronic books available for delivery to the electronic book
25 device.

26 75. The system of claim 73, wherein the electronic book data comprises an electronic
27 book, and the external source generates electronic book menu data.

28 76. The system of claim 75, wherein the electronic book menu data is displayed as
29 an electronic book menu on the computer, and wherein a desired electronic book is

1 ordered for a delivery to the electronic book device by selecting the desired electronic
2 book from the displayed electronic book menu, the computer sending an electronic book
3 order request to the external source to initiate the delivery.

4 77. The system of claim 75, wherein the electronic book menu data is displayed as
5 an electronic book menu on the viewer, and wherein a desired electronic book is ordered
6 for a delivery to the electronic book device by selecting the desired electronic book from
7 the displayed electronic book menu, the viewer sending an electronic book order request
8 to initiate the delivery.

9 78. The system of claim 77, wherein the order request is sent to the broadcast
10 television reception device and the broadcast television reception device sends the order
11 request to the electronic book distribution point.

12 79. The system of claim 77, wherein the order request is sent to the broadcast
13 television reception device and the broadcast television reception device sends the order
14 request to the external source.

15 80. The system of claim 79, wherein the external source is an Internet web site.

16 81. The system of claim 79, wherein the external source is an electronic book
17 bookstore.

18 82. The system of claim 79, wherein the external source is an electronic library.

19 83. The system of claim 77, wherein the viewer, comprises:

20 a memory that stores the menu data;
21 a processor that generates the electronic book menu using the menu data; and
22 a display that displays the electronic book menu.

23 84. The system of claim 73, wherein the broadcast television reception device is a
24 digital set top terminal.

25 85. The system of claim 73, wherein the broadcast television reception device is a
26 digital television, the digital television comprising a smart card that receives the
27 multiplexed television program signals and provides the electronic book data.

28 86. The system of claim 73, wherein the broadcast television reception device is a
29 digital television, the digital television comprising a smart card that receives the

1 multiplexed television program signals and provides the electronic book data, the digital
2 television comprising the computer, the digital television further comprising an interface
3 that receives commands from a subscriber, the commands including commands to
4 preview and order the electronic book.

5 87. The system of claim 86, wherein the interface is one of a remote control, a
6 wireless keyboard, a wired keyboard and a soft keyboard.

7 88. The system of claim 73, wherein the broadcast television reception device is a
8 digital television, the digital television, comprising:

9 a smart card that receives the multiplexed television program signals and provides
10 the electronic book data; and

11 the electronic book home subsystem.

12 89. The system of claim 73, wherein the broadcast television reception device
13 comprises a computer, the computer comprising:

14 a television receiver; and

15 the electronic book home subsystem.

16 90. The system of claim 73, wherein the broadcast television reception device
17 comprises a computer, the computer comprising:

18 a television receiver; and

19 the electronic book device.

20 91. The system of claim 73, wherein the broadcast television reception device
21 includes a connection to an alternate telecommunications network, the alternate
22 telecommunications network providing the electronic book data, the connection
23 comprising one or more of a wired data connection, a wireless data connection, a wired
24 telephone connection, a wireless telephone connection, and a radio connection.

25 92. The system of claim 59, wherein the electronic book device further comprises:

26 a digital television receiver coupled to the network; and

27 a connection coupled to an alternate network, the alternate network capable of
28 providing the electronic book data, the connection comprising one or more of a wired

1 data connection, a wireless data connection, a wired telephone connection, a wireless
2 telephone connection, and a radio connection.

3 93. An apparatus that provides electronic book ordering and distribution, comprising:
4 a terminal that displays electronic books and generates electronic book orders;
5 an order and authorization system that receives an electronic book order from the
6 terminal and generates an authorization signal that authorizes access to an electronic
7 book; and

8 a broadcaster coupled to the order and authorization system that sends the
9 electronic book to the terminal, wherein the electronic book is multiplexed with digital
10 broadcast television programs, wherein the broadcaster receives the authorization signal,
11 the authorization signal providing a local authorization code addressed to the terminal,
12 the local authorization code allowing the terminal to decrypt and display the electronic
13 book.

14 94. The apparatus of claim 93, wherein the authorization signal is multiplexed with
15 the digital broadcast television programs, and wherein the terminal demultiplexes the
16 authorization signal to access the program.

17 95. The apparatus of claim 93, wherein the authorization signal is transmitted by the
18 order and authorization system to the terminal.

19 96. The apparatus of claim 93, wherein the electronic book is listed in an electronic
20 book guide.

21 97. The apparatus of claim 96, wherein the electronic book guide is an electronic
22 guide.

23 98. The apparatus of claim 97, wherein the electronic guide is provided on an Internet
24 web site, and wherein the terminal accesses the web site to receive the electronic guide.

25 99. The apparatus of claim 97, wherein the electronic guide is provided on an Internet
26 web site, and wherein the terminal accesses the web site to view the electronic guide.

27 100. The apparatus of claim 97, wherein the electronic guide is broadcast to the
28 terminal by the broadcaster.

- 1 101. The apparatus of claim 97, wherein the electronic guide is a list of available
2 electronic books, the list capable of being scrolled to show all available electronic books.
3 102. The apparatus of claim 97, wherein the electronic book is one of a single
4 electronic book, a multiple electronic book and an electronic subscription.
5 103. The apparatus of claim 102, wherein the electronic subscription is an electronic
6 magazine.
7 104. The apparatus of claim 102, wherein the electronic subscription is an electronic
8 newspaper.
9 105. The apparatus of claim 102, wherein the electronic subscription is provided to the
10 terminal by broadcast on a periodic basis, the terminal receiving the electronic
11 subscription upon one of power on and log on.
12 106. The apparatus of claim 93, further comprising a billing system coupled to the
13 order and authorization system, the billing system receiving the electronic book order and
14 generating a billing record.
15 107. The apparatus of claim 93, wherein the billing record is used to debit a cash card
16 included in the terminal, the billing system sending a debit signal corresponding to the
17 billing record to the terminal.
18 108. The apparatus of claim 93, wherein the broadcaster is a national broadcaster.
19 109. The apparatus of claim 93, wherein the broadcaster is a broadcast affiliate.
20 110. The apparatus of claim 93, wherein the broadcaster is a local cable company.
21 111. The apparatus of claim 93, wherein the broadcaster is a digital satellite
22 broadcaster.
23 112. The apparatus of claim 93, wherein the digital broadcast television programs are
24 provided over-the-air.
25 113. The apparatus of claim 93, wherein the digital broadcast television programs are
26 provided over a cable television system.
27 114. The apparatus of claim 93, wherein the digital broadcast television programs are
28 provided over a satellite system.

1 115. The apparatus of claim 93, wherein the order and authorization system and the
2 broadcaster are collocated.

3 116. The apparatus of claim 93, wherein the order and authorization system and the
4 broadcaster are collocated with a billing system.

5 117. The apparatus of claim 93, wherein the local authorization code includes a
6 terminal address, a routing indicator, and a terminal identifier.

7 118. The apparatus of claim 117, wherein the local authorization code further includes
8 an electronic book identifier, and wherein the broadcaster broadcasts a plurality of
9 electronic books, the terminal decrypting and displaying only an electronic book
10 identified by the electronic book identifier.

11 119. ~~A system that provides broadcast electronic book ordering and delivery,~~
12 ~~comprising:~~

13 a terminal in a telecommunications network;

14 a processor system that receives an electronic book order for delivery to the
15 terminal in the telecommunications network and generates an authorization signal that
16 authorizes access to an electronic book; and

17 a delivery system coupled to the processor system that receives the authorization
18 signal and sends the electronic book to the terminal, wherein the electronic book is
19 multiplexed with other broadcast programs as a multiplex broadcast, and wherein the
20 authorization signal provides a local authorization code addressed to the terminal, the
21 local authorization code allowing the terminal to demultiplex, decrypt and display the
22 electronic book.

23 120. The system of claim 119, wherein the other broadcast programs are digital
24 broadcast programs, wherein the local authorization code is multiplexed with the digital
25 broadcast programs, and wherein the terminal demultiplexes the local authorization code
26 to access the electronic book.

27 121. The system of claim 119, wherein the local authorization code is transmitted by
28 the processor system to the terminal.

- 1 122. The system of claim 119, wherein available electronic books are listed in an
2 electronic book guide.
- 3 123. The system of claim 122, wherein the electronic book guide is a hard copy guide.
- 4 124. The system of claim 122, wherein the electronic book guide is an electronic guide.
- 5 125. The system of claim 124, wherein the electronic guide is provided on an Internet
6 web site, and wherein the terminal accesses the web site to receive the electronic guide.
- 7 126. The system of claim 124, wherein the electronic guide is broadcast to the terminal
8 by the delivery system.
- 9 127. The system of claim 124, wherein the electronic guide is a list of available
10 electronic books, the list capable of being scrolled to show available electronic books.
- 11 128. The system of claim 119, wherein the processor system gathers subscriber specific
12 data for a subscriber, generates subscriber specific menu data, based on the subscriber
13 specific data and provides a subscriber specific menu, based on the subscriber specific
14 menu data, for viewing.
- 15 129. The system of claim 128, wherein the subscriber specific data includes one of
16 electronic books ordered, demographic data and subscriber queries.
- 17 130. The system of claim 129, wherein the electronic books ordered data is based on
18 electronic books delivered to the terminal.
- 19 131. The system of claim 119, wherein the other broadcast programs are electronic
20 books.
- 21 132. The system of claim 119, wherein the other broadcast programs are television
22 programs.
- 23 133. The system of claim 119, wherein the other broadcast programs are radio
24 programs.
- 25 134. The system of claim 133, wherein the radio programs are analog radio programs.
- 26 135. The system of claim 134, wherein the electronic books are carried in a sub-carrier
27 of a analog radio program broadcast.
- 28 136. The system of claim 133, wherein the radio programs are digital radio programs.

- 1 137. The system of claim 136, wherein a radio broadcast is a spread spectrum
2 broadcast.
- 3 138. The system of claim 119, wherein the other broadcast programs are telephony
4 signals.
- 5 139. The system of claim 119, wherein the multiplex broadcast is a satellite broadcast.
- 6 140. The system of claim 139, wherein the satellite broadcast is a direct broadcast.
- 7 141. The system of claim 134, wherein the satellite is a digital audio broadcast.
- 8 142. The system of claim 134, wherein the satellite broadcast is a direct to home
9 satellite broadcast.
- 10 143. The system of claim 139, wherein the satellite broadcast is a video network
11 distribution broadcast.
- 12 144. The system of claim 139, wherein the satellite broadcast is a point-to-point
13 broadcast.
- 14 145. The system of claim 139, wherein the satellite broadcast is a point-to-multipoint
15 broadcast.
- 16 146. The system of claim 139, wherein the satellite broadcast is a mobile data and
17 telephony broadcast.
- 18 147. The system of claim 139, wherein the satellite broadcast is an analog video
19 broadcast.
- 20 148. The system of claim 139, wherein the satellite broadcast is a regional broadcast.
- 21 149. The system of claim 139, wherein the satellite broadcast is a forward
22 communications service hosted on a communications repeater.
- 23 150. The system of claim 144, wherein the communications repeater is located on a
24 flying balloon.
- 25 151. The system of claim 144, wherein the communications repeater is located on an
26 airplane.
- 27 152. The system of claim 119, wherein the multiplex broadcast comprises a digital
28 video broadcast.

- 1 153. The system of claim 119, wherein the delivery system comprises a wired data
2 network.
- 3 154. The system of claim 153, wherein the wired data network is one of a metallic
4 wired network and fiber wired network, wherein the wired data network supports one or
5 more of HDSL, ADSL, DSL, ISDN, T1, T3, SONET, ATM, X.25, frame relay, and
6 Switched MultiMegabit Data Service (SMDS) protocols.
- 7 155. The system of claim 119, wherein the delivery system comprises a wireless
8 communications network.
- 9 156. The system of claim 155, wherein the wireless communication network is one of
10 a wireless local area network, a digital cellular network, an analog cellular network, a
11 digital pager network, and a personal communication network.
- 12 157. The system of claim 155, wherein the wireless communications network supports
13 one or more of a Global Systems for Mobile Communications (GSM) standards, time
14 division multiple access (TDMA), code division multiple access (CDMA), and Advanced
15 Mobile Telephone System (AMPS).
- 16 158. The system of claim 155, wherein the wireless communications network
17 comprises one or more of a microwave multipoint delivery system (MMDS), a local
18 multipoint delivery system (LMDS), an Instructional Television Fixed Service (ITFS)
19 system, a point-to-point microwave broadcast system, a point-to-multipoint microwave
20 broadcast system, a wireless video system and a wireless ATM network.
- 21 159. The system of claim 119, wherein the terminal, comprises:
22 a library module, comprising:
23 a digital logic,
24 a removable storage device coupled to the digital logic, wherein the
25 removable storage device stores electronic book data including one or more electronic
26 books,
27 a modular connector coupled to the digital logic and the removable storage
28 device, wherein the modular connector receives an incoming data signal, strips electronic
29 book data from the incoming data signal, and transfers the electronic book data to the

1 digital logic, and wherein the digital logic performs error checking and reads an address
2 of the electronic book data, and

3 a receiving device coupled to the digital logic and the removable storage
4 device, wherein the receiving device receives data including electronic book data, and
5 transfers information to the delivery system; and

6 a viewer module, comprising:

7 an interface module that receives the electronic book data from the library
8 module, and

9 a display that displays the ordered electronic book.

10 160. The system of claim 159, wherein the receiving device is one of a modem, an
11 interface device, and a Digital Terminating Equipment (DTE) device.

12 161. The system of claim 160, wherein the modem is one or more of cable modem, a
13 satellite modem, a wired telephone modem, a wireless telephone modem, a wired data
14 modem, and a wireless data modem.

15 162. The system of claim 159, wherein the receiving device is one or more of an HDSL
16 modem, an ADSL modem, a DSL modem, and ISDN terminal equipment device, a T1
17 digital service unit (DSU), a T3 DSU, a fiber user network interface (UNI) device, an
18 ATM UNI, an X.25 DTE, a frame assembler/deassembler, a local area network interface
19 device, and a SMDS subscriber network interface device.

20 163. The system of claim 159, wherein the viewer module and the library module are
21 contained in a single housing.

22 164. The system of claim 159, wherein the viewer module is contained in a first
23 portable housing and the library module is contained in a second portable housing.

24 165. The system of claim 159, wherein the library module is contained in a set top
25 terminal.

26 166. The system of claim 159, wherein the library module is contained in a television.

27 167. The system of claim 159, wherein the library module is contained in a computer.

1 168. The system of claim 159, wherein the terminal comprises a connector, the
2 connector configured to receive the multiplex broadcast from one or more of a television,
3 a set top terminal, a computer and a radio.

4 169. The system of claim 159, wherein the terminal, comprises:
5 an internal cable modem;
6 a tuner coupled to the modem, the tuner capable of tuning to a channel carrying
7 the multiplex broadcast;
8 a demodulator that demodulates the multiplex broadcast; and
9 a modular connector that connects the terminal and the delivery system.

10 170. The system of claim 159, wherein the multiplex broadcast comprises an audio
11 signal, and wherein the terminal comprises an audio-capable connector that extracts
12 electronic book data from the audio signal.

13 171. The system of claim 170, wherein the audio signal is a digital audio signal.

14 172. The system of claim 170, wherein the audio signal is an analog audio signal.

15 173. The system of claim 119, wherein the multiplex broadcast is a spread spectrum
16 signal comprising a digital data stream, the digital data stream comprising the electronic
17 book, and wherein the terminal comprises a spread spectrum receiver.

18 174. The system of claim 173, wherein the spread spectrum signal is a same bandwidth
19 as a video signal, but is below a noise level of the video signal.

20 175. The system of claim 119, wherein the terminal, comprises:
21 a satellite antenna; and
22 a satellite receiver.

23 176. The system of claim 175, wherein the satellite antenna and the satellite receiver
24 are analog.

25 177. The system of claim 175, wherein the satellite antenna and the satellite receiver
26 are digital.

27 178. The system of claim 119, wherein the multiplex broadcast is provided to a library,
28 and wherein the library comprises an interface to transmit the electronic book to the
29 terminal.

- 1 179. The system of claim 178, wherein the interface comprises an intranet.
- 2 180. The system of claim 178, wherein the interface comprises a local area network.
- 3 181. The system of claim 180, wherein the interface comprises an Internet web site.
- 4 182. The system of claim 180, wherein the interface comprises a removable memory
- 5 device.
- 6 183. The system of claim 119, wherein the multiplex program is provided to a
- 7 bookstore, and wherein the bookstore comprises an interface to transmit the electronic
- 8 book to the terminal.
- 9 184. The system of claim 183, wherein the interface comprises a removable memory
- 10 device.
- 11 185. The system of claim 183, wherein the interface comprises an Internet web site.
- 12 186. The system of claim 183, wherein the interface comprises a wired connection.
- 13 187. The system of claim 119, wherein the multiplex program is provided at a kiosk.
- 14 188. The system of claim 187, wherein the electronic book includes one of an
- 15 electronic newspaper and an electronic magazine, and wherein the kiosk comprises an
- 16 interface to transmit the electronic book to the terminal.
- 17 189. The system of claim 188, wherein the interface comprises a wired connection.
- 18 190. The system of claim 188, wherein the interface comprises a removable memory
- 19 device.
- 20 191. The system of claim 119, wherein the delivery system is a dedicated electronic
- 21 book delivery system.
- 22 192. The system of claim 119, wherein selected available electronic books are
- 23 broadcast continuously.
- 24 193. The system of claim 119, wherein a set of selected available electronic books is
- 25 changed periodically.
- 26 194. The system of claim 119, wherein the electronic book is provided on a trial basis.
- 27 195. The system of claim 194, wherein an access to the trial electronic book may be
- 28 revoked after a set time.

- 1 196. The system of claim 195, wherein the revocation may be prevented by purchasing
2 the trial electronic book.
- 3 197. The system of claim 119, wherein a portion of the electronic book is provided to
4 the terminal in an unencrypted format.
- 5 198. The system of claim 197, wherein the authorization code for a remainder of the
6 electronic book is provided to the terminal upon purchasing the electronic book.
- 7 199. The system of claim 119, wherein the processor system generates data packets
8 corresponding to the electronic book, and wherein the delivery system delivers the data
9 packets in response to the electronic book order.
- 10 200. The system of claim 199, wherein the terminal requests resending of failed data
11 packets.
- 12 201. The system of claim 119, wherein the processor system, comprises:
13 an encryption module that encrypts the electronic book;
14 an error correction module that corrects errors in electronic book data; and
15 a memory that stores electronic books for delivery.
- 16 202. The system of claim 119, wherein the electronic book is sent multiple times to the
17 terminal.
- 18 203. The system of claim 202, wherein the terminal provides a receipt indication to the
19 delivery system when the electronic book has been received, the delivery system ceasing
20 delivery of the electronic book upon receiving the receipt indication.
- 21 204. The system of claim 119, wherein the electronic book is preauthorized for
22 delivery to the terminal.
- 23 205. The system of claim 119, wherein the electronic book order is sent from the
24 terminal to the processor system using a telephone network.
- 25 206. The system of claim 205, wherein the telephone network is one of a Plain Old
26 Telephone network and a Public Switched Telephone Network.
- 27 207. The system of claim 205, wherein the electronic book order is sent using one of
28 T1 lines, T3 lines, Integrated Services digital Network lines, Asymmetric Digital
29 Subscriber Lines, and fiber optic lines.

- 1 208. The system of claim 119, wherein the electronic book order is sent from the
2 terminal to the processor system using an Internet web site.
- 3 209. The system of claim 208, wherein the Internet web site recognizes a terminal that
4 placed an electronic book order based on one of an automatic number identification, a
5 user name, a user identification, an Internet address, and browser cookies.
- 6 210. The system of claim 209, wherein the Internet web site generates customized
7 electronic book ordering for the terminal using the browser cookies, wherein the
8 customized electronic book ordering includes one or more of an individualized menu,
9 individualized menu navigation, and an individualized electronic book order.
- 10 211. The system of claim 119, wherein the electronic book order is sent from the
11 terminal to the processor system using a cable television system.
- 12 212. The system of claim 119, wherein the electronic book order is sent from the
13 terminal to the processor system using a wireless modem and a wireless network.
- 14 213. The system of claim 119, wherein the electronic book is delivered to an e-mail
15 address.
- 16 214. The system of claim 213, wherein the authorization signal is delivered to the e-
17 mail address.
- 18 215. The system of claim 213, wherein the authorization signal is delivered to the
19 terminal.
- 20 216. The system of claim 119, wherein the electronic book order is sent to the
21 processor system over a local area network.
- 22 217. A system for delivering electronic books, comprising:
23 a plurality of machines, a machine of the plurality of machines, comprising:
24 a microprocessor,
25 a transceiver coupled to the microprocessor, and
26 a memory coupled to the microprocessor that stores one or more
27 electronic books related to the machine;
28 a network coupled to the plurality of machines;
29 an interface coupled to the network; and

- 1 an electronic book viewer operably couplable to the interface, wherein on
2 a command from the electronic book viewer, the machine transmits an electronic
3 book from the memory to the electronic book viewer.
- 4 218. The system of claim 217, wherein the network is a 120-volt distribution system.
5 219. The system of claim 217, wherein the network is a wireless home network.
6 220. The system of claim 217, wherein the network is a wired home network.

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